

WHAT IS CLAIMED IS:

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1. A projection type display apparatus comprising:

5 a first projection optical system for obliquely projecting light from an original picture onto a predetermined surface, said first projection optical system forming the intermediate image of the original picture on or near said predetermined surface;

10 a second projection optical system for obliquely projecting the light from said predetermined surface onto a surface for projection and imaging it thereon; and

15 light deflecting means disposed between said first projection optical system and said second projection optical system for deflecting the light emerging from said first projection optical system;

20 wherein the optical axis of said first projection optical system is deflected by said light deflecting means to substantially coincide with the optical axis of said second projection optical system.

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2. A projection type display apparatus according to Claim 1, wherein said light deflecting means is disposed on said predetermined surface.

3. A projection type display apparatus according to Claim 1, wherein said light deflecting means is

4. A projection type display apparatus according to Claim 1, wherein said light deflecting means is constituted by a reflection type diffracting optical element.

6. A projection type display apparatus according to Claim 1, wherein said light deflecting means is disposed at or near the position of said intermediate image.

8. A projection type display apparatus according to Claim 1, wherein said surface for projection has a plurality of eccentric Fresnel lenses.

9. A projection type display apparatus according to Claim 1, wherein said surface for projection has a

lenticular lens.

10. A projection type display apparatus according to Claim 1, wherein said light deflecting means has the
5 light deflecting action and the light condensing action.

11. A projection type display apparatus according to Claim 1, further comprising a plurality of
vertically or substantially vertically disposed reflecting mirrors.

12. A projection type display apparatus according to Claim 1, which is of a rear projection type
projecting an image from the rear onto the surface for projection.

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